

MATH 8A: INTRODUCTION TO PROBABILITY AND STATISTICS, SUMMER 2009

Instructor: Matthew Moynihan, Goldsmith 111, x63095, mmoyniha@brandeis.edu

CLASS MEETINGS. M,T,W,Th 11:00am - 1:00pm

TEXT. *Introduction to the Practice of Statistics*, D. S. Moore, G. P. McCabe, and B. Craig, 6th edition.

SYLLABUS. We will cover Chapters 1–8 and 12, and additional material as time permits. This course will cover the following topics: discrete probability spaces; random variables; expectation; variance; approximation by the normal curve; sample mean and variance; and confidence intervals. No calculus is required, but students are expected to be proficient in high school algebra and graphing of functions.

GRADES. Your grade in the course will be based on the following:

25% Quizzes

35% Homework

40% Final Exam, Thursday, August 6, 1:00 PM–4:00 PM

COURSE POLICIES.

EXAMS. Rescheduling final exams can only be done in exceptional circumstances, and *under no circumstances will final exams be given early*. Notify me as soon as possible if you have a conflict with the scheduled exam time.

QUIZZES. There will be weekly in-class quizzes. Your lowest quiz score will be dropped. Make-up quizzes will be given only in exceptional circumstances and must be arranged before the quiz is held.

ASSIGNMENTS. Homework assignments will be collected regularly (1-2 times per week). *No late assignments will be accepted*, but your two lowest homework grades will be dropped. We encourage you to discuss homework problems with your classmates, but *you should write the solutions up on your own*. We will usually not have time to discuss homework questions in class. If you have questions about homework problems, you should arrange to meet with me.

CLASS PARTICIPATION. Prompt and regular class attendance is expected. The summer schedule is very compact and we will cover a lot of material in each class.

CALCULATORS. You should have a statistics calculator with capabilities comparable to the TI-30X II S. You do not need a graphing calculator. *Calculators are required during exams*, and they will be used in class.

STUDENTS WITH DISABILITIES. If you are a student who needs academic accommodations because of a documented disability you should contact me and present your letter of accommodation without delay. If you have questions about documenting a disability or requesting academic accommodations you should contact Beth Rodgers-Kay in Undergraduate Academic Affairs at 6-3470. Letters of accommodation should be presented at the start of the session to ensure provision of accommodations. *Accommodations cannot be granted retroactively.*

ACADEMIC INTEGRITY. You are expected to follow the University's policy on academic integrity (see <http://www.brandeis.edu/studentlife/sdc/ai>). In particular, you are expected to be familiar with Section 4 of the Rights and Responsibilities handbook. If you have any questions about how these policies apply to your conduct in this course, please ask. *Instances of alleged dishonesty will be forwarded to the Office of Student Life for possible referral to the Student Judicial System.*

COURSE ASSISTANCE.

LATTE. All course materials for MATH 8a will be available on line on LATTE. Log in to LATTE at <http://latte.brandeis.edu> using your Unet username and password.

OFFICE HOURS. Due to the compressed summer schedule, I will not hold set office hours. Instead, I will be available before/after classes as well as via email. If you would like to meet at a different time, feel free to email me and we can set up a meeting.

EMAIL. Email is the best way of getting in touch with me. I try to answer all email promptly, although it will sometimes take me up to 24 hours before I can get to your email.

SEMESTER CALENDAR.

Session II.

Regular Course Selection Ends	June 26
Last Day to Drop with 100% Tuition Adjustment	July 3
Last Day to Drop with 75% Tuition Adjustment	July 6
First Day of Instruction	July 6
Last Day to Drop with 50% Tuition Adjustment	July 7
Late Course Selection Ends	July 7
Last Day to Change from Noncredit to Credit	July 10
Last Day to Change Grade to Pass/Fail	July 17
Last Day to Change from Credit to Noncredit	July 24
Last Day to Drop without Academic Penalty	July 24
Last Day of Instruction	August 5
Final Examinations	August 6&7
Latest Date to Submit All Course Work to Instructor for 2009 Summer School Incompletes	September 10
Last Day to Change Pass/Fail to Grade for Summer 2009	September 17